

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

APPLICANTS: Herbert BRUDER et al. CONFIRMATION NO.: 7996

SERIAL NO.: 10/671,894 GROUP ART UNIT: 2882

FILED: September 26, 2003

TITLE: METHOD FOR GENERATING AN IMAGE BY MEANS OF A
TOMOGRAPHY CAPABLE X-RAY DEVICE WITH MULTI-ROW
X-RAY DETECTOR ARRAY"

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

S I R:

In accordance with the provisions of 37 C.F.R. § 1.56, Applicants request that citation and examination of the following documents be made during the course of examination of the above-referenced application for United States Letters Patent.

AA United States Patent No. 6,173,033

AB United States Patent No. 6,014,419

AC United States Patent No. 5,315,628

AD United States Patent No. 5,270,926

AE United States Patent No. 5,170,439

AT "Advanced Single-Slice Rebinning In Cone-Beam Spiral CT,"

Kacheltriess et al, Med. Phys. Vol. 27, No. 4 (2000) pages 754-772.

AU "Novel Approximate Approach For High-Quality Image Reconstruction in Helical Cone Beam CT At Arbitrary Pitch," Schaller et al, SPIE Med. Imag. Conf., Vol. 4322 (2001), pages 113-127.

AV "Exact Radon Rebinning Algorithm for the Long Object Problem in Helical Cone-Beam CT," Schaller et al, IEEE Trans. On Medical Imaging, Vol. 19, No. 5 (May 2000) pages 361-375.

AW "Cone-Beam Filteredj-Backprojection Algorithm For Truncated Helical Data," Kudo et al, Phys. Med. Biol., Vol. 43 (1998) pages 2885-2909.

AX "An Inversion Formula For Cone-Beam Reconstruction," Tuy, SIAM J. on App. Mathematics, Vol. 43, No. 3 (1983) pages 546-552.

AY "A Cone-Beam Tomography Algorithm for Orthogonal Circle-and-Line Orbit," Zeng et al, Phys. Med. Biol., Vol. 37, No. 3 (1992) pages 563-577.

AZ "Digitale Detektorsysteme für die Projektionsradiographie," Schulz, Fortschritte auf Dem Gebiel der Röntgenstrahlen und der Bildgebenden Verfahren, Vol. 173 (2001) pages 1137-1146.

EXPLANATION OF RELEVANCE

Reference AA corresponds to German PS 197 21 536 and Reference AC corresponds to German PS 42 23 430 which, together with all the other above-cited references, were identified and discussed in the present specification. Applicants stand by the statements in the specification concerning the teachings of these references.

All of the references are in English with the exception of Reference AZ, and therefore no further commentary concerning these English language references is necessary. A translation of Reference AZ is not readily available to the Applicants, however, Reference AZ includes an English language abstract in the text thereof.

Copies of each of the above references together with Form 1449 are submitted herewith.

As of the date of mailing of this Information Disclosure Statement, a first Office Action on the merits has not been received in connection with this application.

This Information Disclosure Statement is therefore in compliance with 37 C.F.R. §1.97(b)(3), and no fee is necessary.

All claims of the application are submitted to be patentable over the teachings of the above references, taken singly or in combination. Early consideration of the application is therefore respectfully requested.

Submitted by,

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on ~~January 26~~, 2004.

Feb. 4

Steven H. Noll

STEVEN H. NOLL

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Form PTO 1449					Docket No. P03,0333		Serial No. 10/671,894	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (use several sheets if necessary)					Applicant Bruder et al			
					Filing Date September 26, 2003		Group Art Unit 2882	
U.S. PATENT DOCUMENTS								
Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate	
	AA	6,173,033	01/09/01	Klingenbeck- Regn et al.				
	AB	6,014,419	01/11/00	Hu				
	AC	5,315,628	05/24/94	Guendel				
	AD	5,270,926	12/14/93	Tam				
	AE	5,170,439	12/08/92	Zeng et al.				
	AF							
	AG							
	AH							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AT	"Advanced Single-Slice Rebinning In Cone-Beam Spiral CT," Kacheltruess et al, Med. Phys. Vol. 27, No. 4 (2000) pages 754-772.						
	AU	"Novel Approximate Approach For High-Quality Image Reconstruction in Helical Cone Beam CT At Arbitrary Pitch," Schaller et al, SPIE Med. Imag. Conf., Vol. 4322 (2001), pages 113-127.						
	AV	"Exact Radon Rebinning Algorithm for the Long Object Problem in Helical Cone-Beam CT," Schaller et al, IEEE Trans. On Medical Imaging, Vol. 19, No. 5 (May 2000) pages 361-375.						
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Examiner			Date Considered					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include c py of this form with next communication to applicant.								